

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
15 September 2005 (15.09.2005)

PCT

(10) International Publication Number
WO 2005/084361 A2

(51) International Patent Classification: Not classified (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, IU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(21) International Application Number: PCT/US2005/006930

(22) International Filing Date: 3 March 2005 (03.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 10/793,138 3 March 2004 (03.03.2004) US

(71) Applicant (for all designated States except US): ESSENTIA BIOSYSTEMS, INC. [US/US]; 1928B Old Middlefield Way, Mountain View, California 94043 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): WAUGH, Jacob M.; 4020 El Camino Real #1116, Mountain View, California 94040 (US). DAKE, Michael D.; 665 Gerona Road, Stanford, California 94305 (US).

(74) Agent: ENG, Joseph D. Jr.; Morgan & Finnegan, LLP, 3 World Financial Center, New York, New York 10281-2101 (US).

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

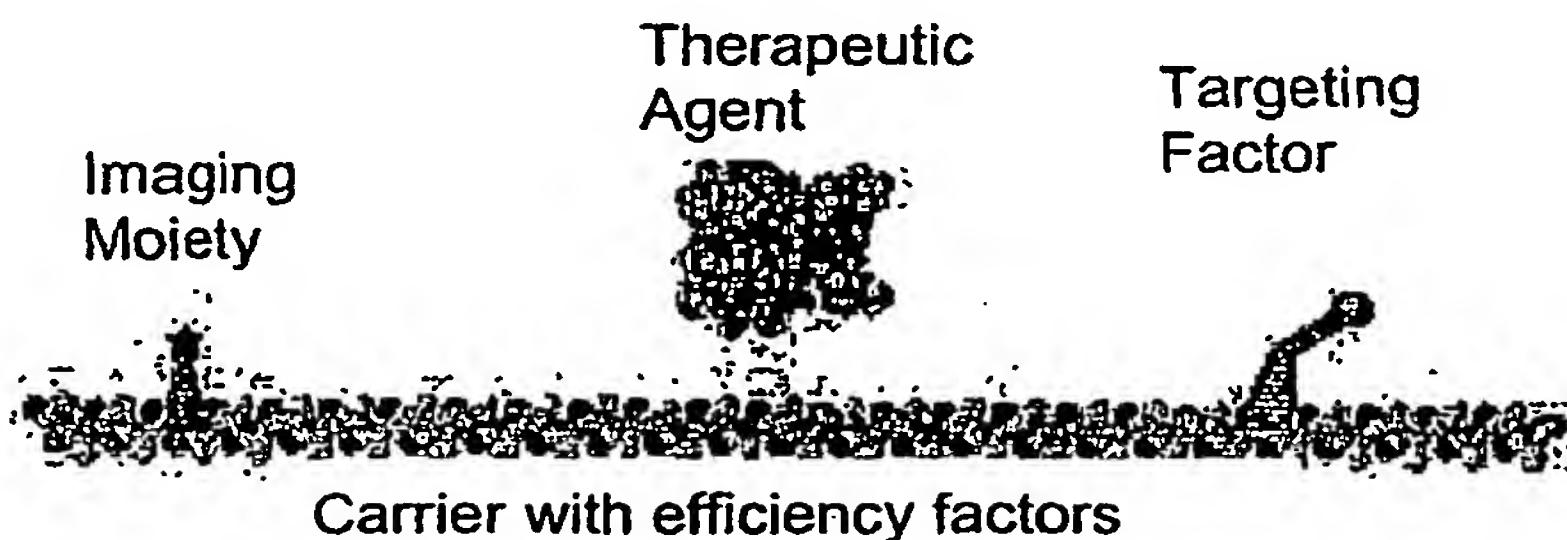
Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: MULTI-COMPONENT BIOLOGICAL TRANSPORT SYSTEMS

WO 2005/084361 A2



compositions can be prepared with components useful for targeting the delivery of the compositions as well as imaging components.

(57) Abstract: Compositions and methods are provided that are useful for the delivery, including transdermal delivery, of biologically active agents, such as non-protein non-nucleotide therapeutics and protein-based therapeutics excluding insulin, botulinum toxins, antibody fragments, and VEGF. The compositions and methods are particularly useful for topical delivery of antifungal agents and antigenic agents suitable for immunization. Alternately, the

BEST AVAILABLE COPY